

ABSTRACT

A method for the production of cast steel strip in a continuous procedure includes casting a steel melt into a casting gap having longitudinal sides of which are formed by walls that move during the casting process, to form the steel strip, and holding the steel melt, which is present above the casting gap in a melt pool, under an atmosphere containing nitrogen and hydrogen. This method allows the production of high-quality steel strips having a significantly improved surface composition compared to the prior art in that the hydrogen content of the atmosphere is greater than 0 mol % to 10 mol %, and the Cr, Mo, Nb, Si, Ti, Ni, Mn, C or N contents of the cast steel melt, which are selectively present in each case for adjusting the characteristics of the steel strip, are in each case selected so that a ratio $Cr_{eq}/Ni_{eq} \geq 1.7$.